

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Luis D. Fuentes

GENERAL INFORMATION:

Name:	Dart Container Corporation of Kentucky
Address:	975 Dixie, U.S. Highway 31 West Horse Cave, Kentucky 42749
Date application received:	03/26/2008
SIC Code/SIC description:	3086, Plastic Products
Source ID:	21-099-00024
Agency Interest:	1774
Activity:	APE20080001
Permit:	V-06-029 R2

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input checked="" type="checkbox"/> Synthetic minor
<input checked="" type="checkbox"/> Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input checked="" type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input checked="" type="checkbox"/> Not major modification per 401 KAR 51:001, (116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual TPY from 2007 Emission Inventory	Potential TPY
CO	15.96	38.4
NO ₂	19.1	134.5
PM ₁₀	0.36	10.76
PT	1.45	10.76
SO ₂	0.35	41
VOC	406	1390
Styrene	5.89	29.1
Source wide HAPs	4.8	30.1

SIGNIFICANT REVISION V-06-029 R2:

The current application was received on March 26, 2008 for adding an additional 800 horsepower boiler, emission point 21, with limited fuel oil usage of no more than 1,500,000 gallons per year in order to limit the total NOx potential to emit to less than 40 tons per year (tpy) on both of the new boilers. Updated DEP 7007N forms for hazardous air pollutants (HAP) emission calculation were received on April 11, 2008. The application also includes three insignificant activities to be added: Second zigzag printer; a second truck fueling station; and a printing on polypropylene.

SIGNIFICANT REVISION V-06-029 R1:

The application was received on October 3, 2007 for removing the applicability of 401 KAR 61:060, and the emission limit on the FoamPrint emission unit (EP 08). 401 KAR 61:060 is not applicable because none of the UV printers started operation prior to June 29, 1979. The permit also included the addition of a new 800 hp Steam Boiler, emission unit 19.

SOURCE PROCESS DESCRIPTION:

Dart Container Corporation of Kentucky ('Dart'), located in Horse Cave, Kentucky, produces a variety of food service containers including cups, containers, plates, lids, and utensils. Dart operates six different manufacturing processes on-site: expandable polystyrene container manufacturing; direct injection foam extrusion and thermoforming; impact extrusion and thermoforming; OPS extrusion and thermoforming; paper cup manufacturing, and cutlery injection molding.

Title V permit V-97-037 was issued to Dart on March 5, 1998 for the operations listed above. This permit was issued as a synthetic minor permit. Dart Container requested a source-wide VOC emissions limit of 240 TPY to preclude the applicability of to 401 KAR 51:017, Prevention of Significant Deterioration of the Air Quality (PSD). On April 26, 2001, permit V-97-037 R2 was issued to include a project, which was subject to PSD for increasing VOC emissions for direct injection (DI) foam manufacturing.

Dart submitted an application for renewal of its Title V Permit on August 28, 2002. The renewal permit V-06-029 was issued on April 6, 2007.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

The source is a major source pursuant to PSD regulation. Dart Container has an existing source-wide volatile organic compounds (VOC) emissions limit of 240 TPY to preclude the applicability of PSD on all the existing processes except for DI Foam manufacturing. Dart is subject to best available control technology (BACT) limits for the DI Foam manufacturing processes.

Sulfur dioxide (SO₂) emissions from emission units 19 and 21 (800 HP Steam Boilers) shall not exceed 36 TPY, to preclude applicability of 401 KAR 51:017, Prevention of Significant Deterioration of Air Quality. For compliance demonstration, see specific emission points under Section B.

Nitrogen oxides (NO_x) emissions from emission units 19 and 21 (800 HP Steam Boilers) shall not exceed 36 TPY, to preclude applicability of 401 KAR 51:017, Prevention of Significant Deterioration of Air Quality. For compliance demonstration, see specific emission points under Section B.

OPERATIONAL FLEXIBILITY

None